J. TUNG

#74/52
1-18/01 16.00

RAW SEQUENCE LISTING   DATE: 12/12/2001
PATENT APPLICATION: US/09/424,028A   TIME: 11:47:31

Input Set : A:\55525-8035.US00-SEQLIST.TXT
Output Set: N:\CRF3\12112001\I424028A.raw

ENTERED

```
 3 <110> APPLICANT: Bridgham, John
 4        Corcoran, Kevin P.
 5        Golda, George S.
 6        Pallas, Michael C.
 7        Brenner, Sydney
 9 <120> TITLE OF INVENTION: Planar Arrays of Microparticle-Bound
10        Polynucleotides
12 <130> FILE REFERENCE: 55525-8035.US00
14 <140> CURRENT APPLICATION NUMBER: US 09/424,028A
15 <141> CURRENT FILING DATE: 1999-11-16
17 <150> PRIOR APPLICATION NUMBER: PCT/US98/11224
18 <151> PRIOR FILING DATE: 1998-05-22
20 <150> PRIOR APPLICATION NUMBER: US 08/862,610
21 <151> PRIOR FILING DATE: 1997-05-23
23 <160> NUMBER OF SEQ ID NOS: 19
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 78
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: primer
35 <221> NAME/KEY: misc_feature
36 <222> LOCATION: (26)...(57)
37 <223> OTHER INFORMATION: n = A,T,C or G
39 <400> SEQUENCE: 1
```

W--> 40 actaatcgtc tcactattta attaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnggt   60
```
41 tttttttttt tttttttv                                                     78
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 17
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: synthetic fragment
51 <400> SEQUENCE: 2
52 ataggggtct tcggtac                                                      17
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 19
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: synthetic cleavage adaptor
62 <400> SEQUENCE: 3
63 gatcagctgc tgcaaattt                                                    19
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 30
67 <212> TYPE: DNA
```

```
        68 <213> ORGANISM: Artificial Sequence
        70 <220> FEATURE:
        71 <223> OTHER INFORMATION: synthetic encoded adaptor
        73 <221> NAME/KEY: misc_feature
        74 <222> LOCATION: (2)...(4)
        75 <223> OTHER INFORMATION: n = A,T,C or G
        77 <400> SEQUENCE: 4
W-->   78 annntacagc tgcatccctt ggcgctgagg                          30
        80 <210> SEQ ID NO: 5
        81 <211> LENGTH: 30
        82 <212> TYPE: DNA
        83 <213> ORGANISM: Artificial Sequence
        85 <220> FEATURE:
        86 <223> OTHER INFORMATION: synthetic encoded adaptor
        88 <221> NAME/KEY: misc_feature
        89 <222> LOCATION: (1)...(4)
        90 <223> OTHER INFORMATION: n = A,T,C or G
        92 <400> SEQUENCE: 5
W-->   93 nanntacagc tgcatccctg ggcctgtaag                          30
        95 <210> SEQ ID NO: 6
        96 <211> LENGTH: 30
        97 <212> TYPE: DNA
        98 <213> ORGANISM: Artificial Sequence
       100 <220> FEATURE:
       101 <223> OTHER INFORMATION: synthetic encoded adaptor
       103 <221> NAME/KEY: misc_feature
       104 <222> LOCATION: (2)...(4)
       105 <223> OTHER INFORMATION: n = A,T,C or G
       107 <400> SEQUENCE: 6
W-->  108 cnnntacagc tgcatccctt gacgggtctc                          30
       110 <210> SEQ ID NO: 7
       111 <211> LENGTH: 30
       112 <212> TYPE: DNA
       113 <213> ORGANISM: Artificial Sequence
       115 <220> FEATURE:
       116 <223> OTHER INFORMATION: synthetic encoded adaptor
       118 <221> NAME/KEY: misc_feature
       119 <222> LOCATION: (1)...(4)
       120 <223> OTHER INFORMATION: n = A,T,C or G
       122 <400> SEQUENCE: 7
W-->  123 ncnntacagc tgcatccctg cccgcacagt                          30
       125 <210> SEQ ID NO: 8
       126 <211> LENGTH: 30
       127 <212> TYPE: DNA
       128 <213> ORGANISM: Artificial Sequence
       130 <220> FEATURE:
       131 <223> OTHER INFORMATION: synthetic encoded adaptor
       133 <221> NAME/KEY: misc_feature
       134 <222> LOCATION: (2)...(4)
```

```
      135 <223> OTHER INFORMATION: n = A,T,C or G
      137 <400> SEQUENCE: 8
W--> 138 gnnntacagc tgcatccctt cgcctcggac                        30
      140 <210> SEQ ID NO: 9
      141 <211> LENGTH: 30
      142 <212> TYPE: DNA
      143 <213> ORGANISM: Artificial Sequence
      145 <220> FEATURE:
      146 <223> OTHER INFORMATION: synthetic encoded adaptor
      148 <221> NAME/KEY: misc_feature
      149 <222> LOCATION: (1)...(4)
      150 <223> OTHER INFORMATION: n = A,T,C or G
      152 <400> SEQUENCE: 9
W--> 153 ngnntacagc tgcatccctg atccgctagc                        30
      155 <210> SEQ ID NO: 10
      156 <211> LENGTH: 30
      157 <212> TYPE: DNA
      158 <213> ORGANISM: Artificial Sequence
      160 <220> FEATURE:
      161 <223> OTHER INFORMATION: synthetic encoded adaptor
      163 <221> NAME/KEY: misc_feature
      164 <222> LOCATION: (2)...(4)
      165 <223> OTHER INFORMATION: n = A,T,C or G
      167 <400> SEQUENCE: 10
W--> 168 tnnntacagc tgcatccctt ccgaacccgc                        30
      170 <210> SEQ ID NO: 11
      171 <211> LENGTH: 30
      172 <212> TYPE: DNA
      173 <213> ORGANISM: Artificial Sequence
      175 <220> FEATURE:
      176 <223> OTHER INFORMATION: synthetic encoded adaptor
      178 <221> NAME/KEY: misc_feature
      179 <222> LOCATION: (1)...(4)
      180 <223> OTHER INFORMATION: n = A,T,C or G
      182 <400> SEQUENCE: 11
W--> 183 ntnntacagc tgcatccctg aggggatag                         30
      185 <210> SEQ ID NO: 12
      186 <211> LENGTH: 30
      187 <212> TYPE: DNA
      188 <213> ORGANISM: Artificial Sequence
      190 <220> FEATURE:
      191 <223> OTHER INFORMATION: synthetic encoded adaptor
      193 <221> NAME/KEY: misc_feature
      194 <222> LOCATION: (1)...(4)
      195 <223> OTHER INFORMATION: n = A,T,C or G
      197 <400> SEQUENCE: 12
W--> 198 nnantacagc tgcatccctt cccgctacac                        30
      200 <210> SEQ ID NO: 13
      201 <211> LENGTH: 30
```

RAW SEQUENCE LISTING   DATE: 12/12/2001
PATENT APPLICATION: US/09/424,028A   TIME: 11:47:31

Input Set : A:\55525-8035.US00-SEQLIST.TXT
Output Set: N:\CRF3\12112001\I424028A.raw

```
     202 <212> TYPE: DNA
     203 <213> ORGANISM: Artificial Sequence
     205 <220> FEATURE:
     206 <223> OTHER INFORMATION: synthetic encoded adaptor
     208 <221> NAME/KEY: misc_feature
     209 <222> LOCATION: (1)...(3)
     210 <223> OTHER INFORMATION: n = A,T,C or G
     212 <400> SEQUENCE: 13
W--> 213 nnnatacagc tgcatccctg actccccgag                              30
     215 <210> SEQ ID NO: 14
     216 <211> LENGTH: 30
     217 <212> TYPE: DNA
     218 <213> ORGANISM: Artificial Sequence
     220 <220> FEATURE:
     221 <223> OTHER INFORMATION: synthetic encoded adaptor
     223 <221> NAME/KEY: misc_feature
     224 <222> LOCATION: (1)...(4)
     225 <223> OTHER INFORMATION: n = A,T,C or G
     227 <400> SEQUENCE: 14
W--> 228 nncntacagc tgcatccctg tgttgcgcgg                              30
     230 <210> SEQ ID NO: 15
     231 <211> LENGTH: 30
     232 <212> TYPE: DNA
     233 <213> ORGANISM: Artificial Sequence
     235 <220> FEATURE:
     236 <223> OTHER INFORMATION: synthetic encoded adaptor
     238 <221> NAME/KEY: misc_feature
     239 <222> LOCATION: (1)...(3)
     240 <223> OTHER INFORMATION: n = A,T,C or G
     242 <400> SEQUENCE: 15
W--> 243 nnnctacagc tgcatccctc tacagcagcg                              30
     245 <210> SEQ ID NO: 16
     246 <211> LENGTH: 30
     247 <212> TYPE: DNA
     248 <213> ORGANISM: Artificial Sequence
     250 <220> FEATURE:
     251 <223> OTHER INFORMATION: synthetic encoded adaptor
     253 <221> NAME/KEY: misc_feature
     254 <222> LOCATION: (1)...(4)
     255 <223> OTHER INFORMATION: n = A,T,C or G
     257 <400> SEQUENCE: 16
W--> 258 nngntacagc tgcatccctg tcgcgtcgtt                              30
     260 <210> SEQ ID NO: 17
     261 <211> LENGTH: 30
     262 <212> TYPE: DNA
     263 <213> ORGANISM: Artificial Sequence
     265 <220> FEATURE:
     266 <223> OTHER INFORMATION: synthetic encoded adaptor
     268 <221> NAME/KEY: misc_feature
```

RAW SEQUENCE LISTING   DATE: 12/12/2001
PATENT APPLICATION: US/09/424,028A   TIME: 11:47:31

Input Set : A:\55525-8035.US00-SEQLIST.TXT
Output Set: N:\CRF3\12112001\I424028A.raw

```
      269 <222> LOCATION: (1)...(3)
      270 <223> OTHER INFORMATION: n = A,T,C or G
      272 <400> SEQUENCE: 17
W--> 273 nnngtacagc tgcatccctc ggagcaacct                    30
      275 <210> SEQ ID NO: 18
      276 <211> LENGTH: 30
      277 <212> TYPE: DNA
      278 <213> ORGANISM: Artificial Sequence
      280 <220> FEATURE:
      281 <223> OTHER INFORMATION: synthetic encoded adaptor
      283 <221> NAME/KEY: misc_feature
      284 <222> LOCATION: (1)...(4)
      285 <223> OTHER INFORMATION: n = A,T,C or G
      287 <400> SEQUENCE: 18
W--> 288 nntntacagc tgcatccctg gtgaccgtag                    30
      290 <210> SEQ ID NO: 19
      291 <211> LENGTH: 30
      292 <212> TYPE: DNA
      293 <213> ORGANISM: Artificial Sequence
      295 <220> FEATURE:
      296 <223> OTHER INFORMATION: synthetic encoded adaptor
      298 <221> NAME/KEY: misc_feature
      299 <222> LOCATION: (1)...(3)
      300 <223> OTHER INFORMATION: n = A,T,C or G
      302 <400> SEQUENCE: 19
W--> 303 nnnttacagc tgcatccctc ccctgtcgga                    30
```

VERIFICATION SUMMARY   DATE: 12/12/2001
PATENT APPLICATION: **US/09/424,028A**   TIME: 11:47:32

Input Set : **A:\55525-8035.US00-SEQLIST.TXT**
Output Set: **N:\CRF3\12112001\I424028A.raw**

```
L:40  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:78  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:93  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
```